

Title (en)

Burner assembly for a reformer of a fuel cell system

Title (de)

Brenneranordnung für eine Reformeranordnung eines Brennstoffzellensystems

Title (fr)

Ensemble bruleur pour un dispositif de réformation d'une pile à combustible

Publication

EP 1679758 B1 20090826 (EN)

Application

EP 06100190 A 20060110

Priority

KR 20050002119 A 20050110

Abstract (en)

[origin: EP1679758A1] The present invention relates to a fuel cell system and, more particularly, to the structure of a burner assembly for the reformer of a fuel cell system. The reformer comprising (i) a burner assembly for generating thermal energy through an oxidation catalytic reaction of liquid fuel and air, the burner assembly including a second body being loaded with an oxidation catalyst; and (ii) a reforming reactor using the thermal energy of the burner assembly for generating hydrogen from liquid fuel and water through a reforming catalytic reaction, the reforming reactor including a first body being loaded with a reforming catalyst. The reformer is being characterized in that the burner assembly is having a heating member partially embedded within the oxidation catalyst.

IPC 8 full level

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